

RAW SEQUENCE LISTING

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Application Serial Number: 10/754,485
Source: 1Fwo
Date Processed by STIC: 10/27/04

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RAW SEQUENCE LISTING

DATE: 10/27/2004

PATENT APPLICATION: US/10/754,485

TIME: 12:54:23

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\10272004\J754485.raw

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3 <110> APPLICANT: HENDERSON, DANIEL R.
5 <120> TITLE OF INVENTION: METHODS OF TREATING LUNG DISEASES
7 <130> FILE REFERENCE: 057220/2302
9 <140> CURRENT APPLICATION NUMBER: 10/754,485
10 <141> CURRENT FILING DATE: 2004-01-09
12 <150> PRIOR APPLICATION NUMBER: 60/439,373
13 <151> PRIOR FILING DATE: 2003-01-09
15 <150> PRIOR APPLICATION NUMBER: 60/480,047
16 <151> PRIOR FILING DATE: 2003-06-20
18 <150> PRIOR APPLICATION NUMBER: 60/494,841
19 <151> PRIOR FILING DATE: 2003-08-12
21 <160> NUMBER OF SEQ ID NOS: 54
23 <170> SOFTWARE: PatentIn Ver. 3.2
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26 <211> LENGTH: 30
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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38 <211> LENGTH: 51
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40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
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50 <211> LENGTH: 794
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
54 <400> SEQUENCE: 3
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56 actcctgtct tgcattgcac taagtcttgc acttgtcaca aacagtgcac ctacttcaag 120
57 ttctacaaag aaaacacagc tacaactgga gcatttactg ctggatttac agatgatttt 180
58 gaatggaatt aataattaca agaatcccaa actcaccagg atgtcacat ttaagtttta 240
59 catgcccaag aaggccacag aactgaaaca tcttcagtgt ctagaagaag aactcaaacc 300
60 tctggaggaa gtgctaaatt tagtctcaaag caaaaacttt cacttaagac ccagggactt 360
61 aatcagcaat atcaacgtaa tagttctgga actaaaggga tctgaaacaa cattcatgtg 420
62 tgaatatgct gatgagacag caaccattgt agaatttctg aacagatgga ttaccttttg 480
63 tcaaagcatc atctcaacac taacttgata attaagtgtt tcccacttaa aacatatcag 540

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64 gccttctatt tatttaaata tttaaatttt atatttattg ttgaatgtat ggtttgctac 600
65 ctattgtaac tattattctt aatcttaaaa ctataaatat ggatctttta tgattctttt 660
66 tgtaagccct aggggctcta aaatggtttc acttatttat cccaaaatat ttattattat 720
67 gttgaatggt aaatatagta tctatgtaga ttggtagta aaactattta ataaatttga 780
68 taaatataaa aaaa 794
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73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 4
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78 gcacctactt caagttctac aaagaaaaca cagctacaac tggagcattt actgctggat 120
79 ttacagatga ttttgaatgg aattaataat tacaagaatc ccaaactcac caggatgctc 180
80 acatttaagt ttacatgcc caagaaggcc acagaactga aacatcttca gtgtctagaa 240
81 gaagaactca aacctctgga ggaagtgcta aatttagctc aaagcaaaaa ctttcaacta 300
82 agaccagggt acttaatcag caatatcaac gtaatagttc tggaactaaa gggatctgaa 360
83 acaacattca tgtgtgaata tgctgatgag acagcaacca ttgtagaatt tctgaacaga 420
84 tggattacct ttgtcaaag catcatctca acactaactt ga 462
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96 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys
97 1 5 10
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101 <211> LENGTH: 53
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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114 <212> TYPE: DNA
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125 <211> LENGTH: 59
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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137 <211> LENGTH: 38
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
144 <400> SEQUENCE: 9
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148 <210> SEQ ID NO: 10
149 <211> LENGTH: 14
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
156 <400> SEQUENCE: 10
157 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Glu Phe
158 1 5 10
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 31
163 <212> TYPE: DNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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175 <212> TYPE: DNA
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186 <211> LENGTH: 43
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190 <220> FEATURE:
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199 <212> TYPE: DNA
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202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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206 ccagttttca ttccttactt cttaaacttt cttgcaagt 39
209 <210> SEQ ID NO: 15
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212 <213> ORGANISM: Homo sapiens
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216 tctgtgggct gtgatctgcc tcaaaccac agcctgggta gcaggaggac cttgatgctc 120
217 ctggcacaga tgaggagaat ctctcttttc tctgcttga aggacagaca tgactttgga 180
218 tttccccagg aggagtttgg caaccagttc caaaaggctg aaaccatccc tgcctcccat 240
219 gagatgatcc agcagatctt caatctcttc agcacaagg actcatctgc tgcttgggat 300
220 gagaccctcc tagacaaatt ctacactgaa ctctaccagc agctgaatga cctggaagcc 360
221 tgtgtgatac aggggggtggg ggtgacagag actcccctga tgaaggagga ctccattctg 420
222 gctgtgagga aatacttcca aagaatcact ctctatctga aagagaagaa atacagccct 480
223 tgtgcctggg aggttgctcag agcagaaatc atgagatctt tttctttgtc aacaaacttg 540
224 caagaaagtt taagaagtaa ggaataa 567
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 53
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
235 <400> SEQUENCE: 16
236 accgtcctag gtggtggcgg agggtcattg gatctgcctc aaaccacag cct 53
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 55
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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248 tcctcgaggt cgacgctagc ttattattcc ttacttctta aactttcttg caagt 55
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252 <211> LENGTH: 1269
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: sFv-alpha-IFN
258 chimera nucleotide sequence
260 <400> SEQUENCE: 18
261 atgaaatacc tattgcctac ggcagccgct ggattgttat tactcgcggc ccagccggcc 60
262 atggcccagg tacagctgca gcaatcaggg ggaggcgtgg tccagcctgg gaggtccctg 120
263 agactctcct gtgcagcctc tggattcacc ttcagtagct atgctatgca ctgggtccgc 180
264 caggctccag ggaaggggct ggagtgggtc tcagctatta gtggtagtgg tggtagcaca 240
265 tactacgcag actcctgtaa gggccgggtc accatctcca gagacaacgc caagaactca 300
266 ctgtatctgc aaatgaacag cctgagagcc gaggacacgg ctgtgtatta ctgtgcgaga 360
267 gatacccgag ggtacttcga tctctggggc cgtggcacc tggtcaccgt ctctcagggt 420
268 ggcggagggt catctgagct gactcaggac cctgctatgt ctgtggcctt gggacagaca 480

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269 gtcagaatca catgtcaagg ggacagtctc agaaagtatc atgcaagctg gtatcagcag 540
270 aagccagggc agggccctgt tcttgtcatc tatggtaaga atgaacgtcc ctcagggatc 600
271 ccagagcgat tctctgggtc cacctcagga gacacagctt ccttgaccat cagtgggctc 660
272 caggcggaag atgaggctga ctattactgt cactcccgag actctaagtc tgatcttgtg 720
273 gtgttcggcg gagggaccaa ggtcaccgtc ctagggtggtg gcggaagggtc atgtgatctg 780
274 cctcaaacc cagcctggg tagcaggagg accttgatgc tcctggcaca gatgaggaga 840
275 atctctcttt tctcctgctt gaaggacaga catgactttg gatttcccca ggaggagttt 900
276 ggcaaccagt tccaaaaggc tgaaccatc cctgtcctcc atgagatgat ccagcagatc 960
277 ttcaatctct tcagcacaaa ggactcatct gctgcttggg atgagaccct cctagacaaa 1020
278 ttctacactg aactctacca gcagctgaat gacctggaag cctgtgtgat acaggggggtg 1080
279 ggggtgacag agactccctt gatgaaggag gactccattc tggctgtgag gaaatacttc 1140
280 caaagaatca ctctctatct gaaagagaag aaatacagcc cttgtgcctg ggagggttgc 1200
281 agagcagaaa tcatgagatc ttttctttg tcaacaaact tgcaagaaag tttaagaagt 1260
282 aaggaataa 1269
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286 <211> LENGTH: 41
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
293 <400> SEQUENCE: 19
294 cctcgagata tcgccaccat gaccaacaag tgtctcctcc a 41
297 <210> SEQ ID NO: 20
298 <211> LENGTH: 37
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
305 <400> SEQUENCE: 20
306 ctctagatct tcagctagcg ttctggaggt aacctgt 37
309 <210> SEQ ID NO: 21
310 <211> LENGTH: 564
311 <212> TYPE: DNA
312 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 21
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316 tccatgagct acaacttgct tggattccta caaagaagca gcaattttca gtgtcagaag 120
317 ctctgtggc aattgaatgg gaggttgaa tactgcctca aggacaggat gaactttgac 180
318 atccctgagg agattaagca gctgcagcag ttccagaagg aggacgccgc attgaccatc 240
319 tatgagatgc tccagaacat ctttgctatt ttcagacaag attcatctag cactggctgg 300
320 aatgagacta ttgttgagaa cctcctggct aatgtctatc atcagataaa ccatctgaag 360
321 acagtcttgg aagaaaaact ggagaaagaa gatttcacca ggggaaaact catgagcagt 420
322 ctgcacctga aaagatatta tgggaggatt ctgcattacc tgaaggccaa ggagtacagt 480
323 cactgtgcct ggaccatagt cagagtggaa atcctaagga acttttactt cattaacaga 540
324 cttacagggtt acctccgaaa ctga 564
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328 <211> LENGTH: 54
329 <212> TYPE: DNA
330 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/754,485

DATE: 10/27/2004

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